```
===========================================================
Sequence Listing was accepted.
See attached Validation Report.
If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).
Reviewer: Anne Corrigan
Timestamp: [year=2008; month=1; day=11; hr=11; min=20; sec=43; ms=896; ]
===========================================================
```

Application No: 10618852   Version No: 1.1

Input Set:

Output Set:

Started:	2008-01-11 11:19:34.168
Finished:	2008-01-11 11:19:37.245
Elapsed:	0 hr(s) 0 min(s) 3 sec(s) 77 ms
Total Warnings:	44
Total Errors:	4
No. of SeqIDs Defined:	44
Actual SeqID Count:	44

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)

```
            Input Set:


            Output Set:



              Started:   2008-01-11 11:19:34.168
             Finished:   2008-01-11 11:19:37.245
              Elapsed:   0 hr(s) 0 min(s) 3 sec(s) 77 ms
      Total Warnings:    44
        Total Errors:    4
No. of SeqIDs Defined:   44
   Actual SeqID Count:   44
```

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20) This error has occured more than 20 times, will not be displayed

<110>   INVITROGEN CORPORATION

<120>   METHODS FOR PROVIDING GENOMIC CLONES

<130>   IVGN 334

<140>   10618852
<141>   2003-07-15

<150>   60396241
<151>   2002-07-17

<160>   44

<170>   PatentIn version 3.3

<210>   1

<211>   15

<212>   DNA

<213>   Artificial

<220>

<223>   Bacteriophage

<400>   1

gctttttttat actaa   15

<210>   2

<211>   21

<212>   DNA

<213>   Artificial

<220>

<223> Bacteriophage

<400> 2

caactttttt atacaaagtt g   21

<210> 3

<211> 25

<212> DNA

<213> Artificial

<220>

<223> Bacteriophage

<400> 3

agcctgcttt tttgtacaaa cttgt   25

<210> 4

<211> 233

<212> DNA

<213> Artificial

<220>

<223> Bacteriophage

<400> 4

tacaggtcac taataccatc taagtagttg attcatagtg actggatatg ttgtgtttta   60

cagtattatg tagtctgttt tttatgcaaa atctaattta atatattgat atttatatca   120

ttttacgttt ctcgttcagc tttttgtac aaagttggca ttataaaaaa gcattgctca   180

tcaatttgtt gcaacgaaca ggtcactatc agtcaaaata aaatcattat ttg   233

<210> 5

<211> 100

<212> DNA

<213> Artificial

<220>

<223> Bacteriophage

<400> 5

caaataatga ttttattttg actgatagtg acctgttcgt tgcaacaaat tgataagcaa   60

tgcttttttta taatgccaac tttgtacaaa aaagcaggct   100

<210> 6

<211> 125

<212> DNA

<213> Artificial

<220>

<223> Bacteriophage

<400> 6

acaagtttgt acaaaaaagc tgaacgagaa acgtaaaatg atataaatat caatatatta   60

aattagattt tgcataaaaa acagactaca taatactgta aaacacaaca tatccagtca   120

ctatg   125

<210> 7

<211> 4

<212> PRT

<213> Artificial

<220>

<223> Homo sapiens

<400> 7

Ile Glu Gly Arg

1

<210> 8

<211> 4

<212> PRT

<213> Artificial

<220>

<223> Homo sapiens

<400> 8

Leu Val Pro Arg

1

<210> 9

<211> 27

<212> DNA

<213> Artificial

<220>

<223> Bacteriophage

<400> 9

agcctgcttt tttatactaa cttgagc   27

<210> 10

<211> 27

<212> DNA

<213> Artificial

<220>

<223> Bacteriophage

<400> 10

gttcagcttt tttatactaa gttggca   27

<210> 11

<211> 27

<212> DNA

<213> Artificial

<220>

<223> Bacteriophage

<400> 11

agcctgcttt tttatactaa gttggca   27

<210> 12

<211> 27

<212> DNA

<213> Artificial

<220>

<223> Bacteriophage

<400> 12

gttcagcttt tttatactaa cttgagc   27

<210> 13

<211> 25

<212> DNA

<213> Artificial

<220>

<223> Bacteriophage

<400> 13

agcctgcttt tttgtacaaa cttgt   25

<210> 14

<211> 27

<212> DNA

<213> Artificial

<220>

<223> Bacteriophage

<400> 14

gttcagcttt tttgtacaaa gttggca   27

<210> 15

<211> 27

<212> DNA

<210> Artificial

<220>

<223> Bacteriophage

<400> 15

agcctgcttt tttgtacaaa gttggca   27

<210> 16

<211> 25

<212> DNA

<213> Artificial

<220>

<223> Bacteriophage

<400> 16

gttcagcttt tttgtacaaa cttgt   25

<210> 17

<211> 25

<212> DNA

<213> Artificial

<220>

<223> Bacteriophage

<400> 17

acccagcttt cttgtacaaa gtggt   25

<210> 18

<211> 27

<212> DNA

<213> Artificial

<220>

<223> Bacteriophage

<400> 18

gttcagcttt cttgtacaaa gttggca   27

<210> 19

<211> 27

<212> DNA

<213> Artificial

<220>

<223> Bacteriophage

<400> 19

acccagcttt cttgtacaaa gttggca   27

<210> 20

<211> 25

<212> DNA

<213> Artificial

<220>

<223> Bacteriophage

<400> 20

gttcagcttt cttgtacaaa gtggt   25

<210> 21

<211> 22

<212> DNA

<213> Artificial

<220>

<223> Bacteriophage

<400> 21

caactttatt atacaaagtt gt   22

<210> 22

<211> 27

<212> DNA

<213> Artificial

<220>

<223>   Bacteriophage

<400>   22

gttcaacttt attatacaaa gttggca   27

<210>   23

<211>   24

<212>   DNA

<213>   Artificial

<220>

<223>   Bacteriophage

<400>   23

caactttatt atacaaagtt ggca   24

<210>   24

<211>   25

<212>   DNA

<213>   Artificial

<220>

<223>   Bacteriophage

<400>   24

gttcaacttt attatacaaa gttgt   25

<210>   25

<211>   22

<212>   DNA

<213>   Artificial

<220>

<223>   Bacteriophage

<400>   25

caacttttct atacaaagtt gt   22

<210>   26

<211>   27

<212>   DNA

<213>   Artificial

<220>

<223>   Bacteriophage

<400>   26

gttcaacttt tctatacaaa gttggca   27

<210>   27

<211> 24

<212> DNA

<213> Artificial

<220>

<223> Bacteriophage

<400> 27

caactttttct atacaaagtt ggca   24

<210> 28

<211> 25

<212> DNA

<213> Artificial

<220>

<223> Bacteriophage

<400> 28

gttcaacttt tctatacaaa gttgt   25

<210> 29

<211> 22

<212> DNA

<213> Artificial

<220>

<400>   29

caacttttgt atacaaagtt gt   22

<210>   30

<211>   27

<212>   DNA

<213>   Artificial

<220>

<223>   Bacteriophage

<400>   30

gttcaacttt tgtatacaaa gttggca   27

<210>   31

<211>   24

<212>   DNA

<213>   Artificial

<220>

<223>   Bacteriophage

<400>   31

caacttttgt atacaaagtt ggca   24

<210> 32

<211> 25

<212> DNA

<213> Artificial

<220>

<223> Bacteriophage

<400> 32

gttcaacttt tgtatacaaa gttgt   25

<210> 33

<211> 22

<212> DNA

<213> Artificial

<220>

<223> Bacteriophage

<400> 33

caactttttc gtacaaagtt gt   22

<210> 34

<211> 27

<212> DNA

<213> Artificial

<220>

<223> Bacteriophage

<400> 34

gttcaacttt ttcgtacaaa gttggca   27

<210> 35

<211> 24

<212> DNA

<213> Artificial

<220>

<223> Bacteriophage

<400> 35

caactttttc gtacaaagtt ggca   24

<210> 36

<211> 25

<212> DNA

<213> Artificial

<220>

<223> Bacteriophage

<400> 36

gttcaacttt ttcgtacaaa gttgt   25

<210>   37

<211>   22

<212>   DNA

<213>   Artificial

<220>

<223>   Bacteriophage

<400>   37

caactttttg gtacaaagtt gt   22

<210>   38

<211>   27

<212>   DNA

<213>   Artificial

<220>

<223>   Bacteriophage

<400>   38

gttcaacttt ttggtacaaa gttggca   27

<210> 39

<211> 24

<212> DNA

<213> Artificial

<220>

<223> Bacteriophage

<400> 39

caactttttg gtacaaagtt ggca   24

<210> 40

<211> 25

<212> DNA

<213> Artificial

<220>

<223> Bacteriophage

<400> 40

gttcaacttt ttggtacaaa gttgt   25

<210> 41

<211> 22

<212> DNA

<213> Artificial

<220>

<223> Bacteriophage

<400> 41

caactttta atacaaagtt gt   22

<210> 42

<211> 27

<212> DNA

<213> Artificial

<220>

<223> Bacteriophage

<400> 42

gttcaacttt ttaatacaaa gttggca   27

<210> 43

<211> 24

<212> DNA

<213> Artificial

<220>

<223> Bacteriophage

<400> 43

caactttta atacaaagtt ggca 24

<210> 44

<211> 25

<212> DNA

<213> Artificial

<220>

<223> Bacteriophage

<400> 44

gttcaacttt ttaatacaaa gttgt 25